



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter A. Barany Et Al.

Serial No.: 09/715,787

Filed: November 17, 2000

For: Interleaving Data Over Frames  
Communicated In A Wireless  
Channel

§ Group Art Unit: 2664

§

§

§

§

§

§

§

§

Examiner: Kevin D. Mew

Atty. Dkt. No.: NRT.0072US  
(12383RRUS02)

RECEIVED

JUL 13 2004

Technology Center 2600

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant submits the references listed on the attached form PTO 1449 together with any required copies of such references.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any additional charges or credits to Deposit Account No. 20-1504 (NRT.0072US).

Respectfully submitted,

Date:

July 7, 2004

Dan C. Hu  
Registration No. 40,025  
TROP, PRUNER & HU, P.C.  
8554 Katy Freeway, Suite 100  
Houston, Texas 77024  
(713) 468-8880 [Phone]  
(713) 468-8883 [Fax]

07/13/2004 AWONDAF1 00000009 09715787

03 FC:1806

180.00 OP

Date of Deposit: July 9, 2004

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dawn L. Thomas  
Dawn L. Thomas



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

NRT.0072US  
(12383RRUS02U)

SERIAL NO.

09/715,787

APPLICANT(S):

PETER A. BARANY ET AL.

FILING DATE:

November 17, 2000

GROUP ART UNIT:

2664

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.	SN 09/716,136		PETER A. BARANY ET AL.			11/17/2000
	B.	SN 09/716,150		PETER A. BARANY ET AL.			11/17/2000
	C.	6,597,680	07/22/03	LINDSKOG ET AL.	370	347	
	D.	5,930,248	07/27/99	LANGLET ET AL.	370	347	
	E.	6,657,982	12/02/03	FONG ET AL.	370	336	
	F.	6,292,664	09/18/01	OSTRUP ET AL.	455	453	
	G.	5,812,545	09/22/98	LIEBOWITZ ET AL.	370	337	
	H.	6,563,839	05/13/03	HALLNSTAL ET AL.	370	437	
	I.	6,240,076	05/29/01	KANERVA ET AL.	370	330	
	J.	6,286,122	09/04/01	ALANARA	714	781	
	K.	5,910,949	06/08/99	BILSTROM ET AL.	370	337	
	L.	6,327,256	12/04/01	PAIVIKE ET AL.	370	337	
	M.	6,404,753	06/11/02	CHIEN ET AL.	370	337	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							

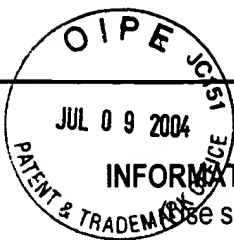
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	P.	Nokia, "Geran Radio Access Bearers," pp. 1-16 (February 2000).
	Q.	European Telecommunications Standards Institute, "Digital Cellular Telecommunication System (Phase 2+); Discontinuous Transmission (DTX) for Adaptive Multi-Rate (AMR) speech Traffic CHannels (GSM 06.93 version 7.3.0 Release 1998)," Draft ETSI EN 301 707 V7.3.0 (1999-12), pp. 1-15 (1999).
	R.	European Telecommunications Standards Institute, "Digital Cellular Telecommunication System (Phase 2+); GEneral Packet Radio Service (GPRS); Mobile Station (MS)-Base Station System (BSS) interface; Radio Link Control/Medium Access Control (RLC/MAC) protocol (GSM 04.60 version 8.5.0 Release 1999), pp. 1-278 (1999).

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.  
NRT.0072US  
(12383RRUS02U)SERIAL NO.  
09/715,787APPLICANT(S):  
PETER A. BARANY ET AL.FILING DATE:  
November 17, 2000GROUP ART UNIT:  
2664

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.	6,021,124	02/01/2000	HAARTSEN	370	336	
	B.	6,584,089	06/24/2003	HONKASALO ET AL.	370	338	
	C.	2001/0046843	11/29/2001	ALANARA ET AL.	455	95	
	D.	6,225,888	05/01/2001	JUOPPERI	340	5.8	
	E.	5,996,378	10/12/1999	HAMALAINEN	370	348	
	F.	6,031,832	02/29/2000	TURINA	370	348	
	G.	6,487,184	11/26/2002	PECEN ET AL.	370	329	
	H.	5,754,537	05/19/1998	JAMAL	370	330	
	I.	5,751,708	05/12/1998	ENG ET AL.	370	389	
	J.	6,724,813	04/20/2004	JAMAL ET AL.	375	219	
	K.	6,108,550	08/22/2000	WIOREK ET AL.	455	447	
	L.	5,625,877	04/29/1997	DUNN ET AL.	455	34.1	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	M.							
	N.							
	O.							
	P.							
	Q.							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	R.	
	S.	
	T.	
	U.	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.